

10 RESEARCH 19 FEB 2002

SEQUENCE LISTING

<110> Schackert, Hans Konrad
Hahn, Matthias

<120> Method for Identifying Organisms by Means of Comparative Genetic
Analysis and Primers and Hybridisation Probes for Carrying Out
This Method

<130> 012627-025

<140> US 09/936,738
<141> 2001-09-17

<150> PCT/EP00/02330
<151> 2000-03-16

<150> DE 199 11 656.3
<151> 1999-03-16

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<211> 447

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<213> Goitred gazelle

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<211> 521

<212> DNA

<213> Red buffalo

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acttaga 67

<210> 65
<211> 68
<212> DNA
<213> Chimpanzee

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gacttaga 68

<210> 66
<211> 64
<212> DNA
<213> Pig

<400> 66
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taga 64

<210> 67
<211> 64
<212> DNA
<213> Wild boar

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taga 64

<210> 68

<211> 67
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<213> Cattle

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acttaga 67

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acttaga 67

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<213> Goat

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cttagac 67

<210> 71
<211> 68
<212> DNA
<213> Red buffalo

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gacttaga 68

<210> 72
<211> 67
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acttaga 67

<210> 73
<211> 66
<212> DNA
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cttaga 66

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<213> Horse

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<213> Dog

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<210> 77
<211> 67
<212> DNA
<213> Sun bear

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cttagac 67

<210> 78
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actta 65

<210> 80
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<212> DNA
<213> Antelope

<400> 80
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<210> 81

<211> 65
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<213> Kangaroo

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<210> 83
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<220>
<223> PTENex2R antisense

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cttactacat catcaatatt gttcc 25

<210> 84
<211> 69
<212> DNA
<213> Man

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tattgatga 69

<210> 85
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tgatgatgt 69

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<212> DNA
<213> Domestic pig

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attgatgatg 70

<210> 87
<211> 71
<212> DNA
<213> Wild boar

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tgatgatgta g 71

<210> 88
<211> 63
<212> DNA
<213> Cattle

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tga 63

<210> 89
<211> 62
<212> DNA
<213> Sheep

<400> 89
ttattgctat ggggtttcct gcagaaagac ttgaaggcgt gtacaggaac aatattgatg 60
at 62

<210> 90
<211> 58
<212> DNA
<213> Goat

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tgat 64

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acaatatt 68

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<212> DNA
<213> Goitred gazelle

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attga 65

<210> 95
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gatg 64

<210> 96
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<212> DNA
<213> Dog

<220>
<221> misc_feature
<222> (1)...(67)
<223> n = A,T,C or G

<400> 96
ttccaaacat tattgctatn ggggtttcctg cagaaagact tgaaggcgta tacnggaaca 60
atattga 67

<210> 97
<211> 65
<212> DNA
<213> Sun bear

<220>
<221> misc_feature
<222> (1)...(65)

<223> n = A,T,C or G

<400> 97

tccaaacatt attgctatng ggtttcctgc agaaagactt gaaggcgtat acaggaacaa 60
tattg 65

<210> 98

<211> 62

<212> DNA

<213> Rabbit

<400> 98

gctatgggat ttctgcaga aagacttgaa ggcgtataca ggaacaatat tgatgatgta 60
gt 62

<210> 99

<211> 59

<212> DNA

<213> Hare

<400> 99

acattattgc tatgggattt cctgcagaaa gacttgaagg cgtatacagg aacaatatt 59

<210> 100

<211> 48

<212> DNA

<213> Antelope

<400> 100

ttgctatggg gtttcctgca gaaagacttg aaggcgtata caggaaca 48

<210> 101

<211> 77

<212> DNA

<213> Turkey

<400> 101

tttatccaaa cattattgct atgggttttc ctgcggagag gcttgaagga gtataccggg 60
acaatattga tgatgta 77

<210> 102

<211> 73

<212> DNA

<213> Chicken

<400> 102

atttatccaa acattattgc tatgggtttt cctgcggaga ggcttgaagg agtataccgg 60
aacaatattg atg 73

<210> 103

<211> 61

<212> DNA

<213> Duck

<400> 103

ttattgctat gggttttcct gcagagaggc ttgaaggagt gtaccggaac aatattgatg 60
a 61

<210> 104
<211> 62
<212> DNA
<213> Quail

<400> 104
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60
tg 62

<210> 105
<211> 73
<212> DNA
<213> Goose

<400> 105
tttatccaaa cattattgct atgggttttc ctgcagagag gcttgaagga gtgtaccgga 60
acaatattga tga 73

<210> 106
<211> 66
<212> DNA
<213> Ostrich

<400> 106
ccaaacatta ttgctatggg ttttccggcg gagaggcttg aaggagtgtg ccggaacaat 60
attgat 66

<210> 107
<211> 59
<212> DNA
<213> Pigeon

<400> 107
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattg 59

<210> 108
<211> 60
<212> DNA
<213> Varan

<400> 108
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60

<210> 109
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Zoo43sUV

<400> 109
tgtgctgaga gacattatga c 21

<210> 110
<211> 20

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<212> DNA
 <213> Artificial Sequence

<220>
 <223> Zoo44aRV

<400> 110
 ttgtctctgg tccttacttc 20

<210> 111
 <211> 654
 <212> DNA
 <213> Man

<400> 111
 ttatgacacc gccaaattta attgcagagt atgaatgtac tgtactatgt tgtataactt 60
 aaaccogata gactgtatct tactgtcata acaataatga gtcattccaga ttatcgagtg 120
 agatacatat ttaagaatta tctttaaaaa tttcaaaaat ttttaatttta ctgttggtgtt 180
 ttaggaaaaa gtattgcata aagctatttaa tattgtcagg aagactaaag tgcagcatag 240
 actaagaatt aggaaaattc cttagactaaa aatagtataa ggagaggggtt tacctactat 300
 ttgaggcagt tgggtctaata gtaagcaatc acaggggagaa agcagaacta cttaactctt 360
 ctgtgttgag gaatgacata aaaggtagga aaggatataa caaatgttga taagaggagt 420
 ctgatggatg agaggaggga actgctttta atgagtttct acttcagaca taagttaatt 480
 ctcagagccc acaaaaactt tcactttttat ttgtgaaata caactcagtt ctcatggcctt 540
 aacactttta accatgagaa aactgaagag ttgagagcct ggcatgatgct gctgtgatag 600
 tcaaaagaaa gtgggtgcat gagctactat tgatgtattt gccatggtcc ctcc 654

<210> 112
 <211> 582
 <212> DNA
 <213> Dog

<400> 112
 atgtaataaa tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat 60
 tgctgcaaca tgattgtcat ctctacttag ccattgggtca agatcttcac aaaagggttt 120
 gataagttct agctgtgggtg gattatgggtc ttcaaaaagga tactgtgcaa ctgtggtaaa 180
 aagataacct cagaattaga aaaaagtctt tcttgaactg tttattaaaa gtaggttaac 240
 tttagaacaa ttgcatgtaa gcttaacaga tgttttaaaag aaaaacggaa ctccagagaa 300
 aaataatttg ctgtctgata attttccaat ttttgaatag aaaatagtct ctcatataat 360
 cttaaaccta ccactadgag agagaggcta agcattattt tccccactt taatgaaaga 420
 ggaaactttg caatggagag ggagcacacg tcaacatata agagggaaga ggcaaaactca 480
 aaatgaaatg gcacacaggt ttctgtgcag ggctctcaat gcatttttctg acaaaaaggag 540
 tcataatatt tataatacta cgtcatccaa aatatatatt cc 582

<210> 113
 <211> 376
 <212> DNA
 <213> Cattle

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A,T,C or G

<400> 113
 taggtacaca tattgtgtta gataacttga agccaacagt ctaaatttta ctgtcatacc 60
 aataatgaat aatctcaagt attaagtgat atatttatct taaagatggg ctgagaaaaa 120

```

ttgaaattaa ttttgcgtgt gtgttttttg aaataagtat catgtaaatg aggaagacta 180
aattgaatta actgaaaact aggagaaatt tatagactaa cagaataaat agagggttat 240
atctgtgatt tgaggcattt ggcattgatag taagagatta caggggagaa aggagaatgg 300
cttaattctg taatggaaca tgacctgtac agtgggaaaa ggggtataat gaantatgga 360
tnaaaaggag cctgaa                                     376

```

<210> 114
 <211> 673
 <212> DNA
 <213> Mouse

```

<400> 114
ttatgacacc gccaaattta actgcagagg tatgtataaa cataaccaca gcatactgta 60
taactaaaga ccaatagact tgtcttttac tgcttggatg taattatcaa gattagttag 120
ataaaaaatct taagaatggc ctttgacaat taaaaaaagt gtatttaatg ttagagttgt 180
tctttaagac ctatctattg tcaggaaaac taaatcacag aatacttggg gaggtcccaa 240
gactaaacta ggattggagg tgcttattga cgggtgtggg cagctagcgc tgctggaaac 300
aatcacaaga agagagcaga accattttta cttttctaca tcgaagaatg gcataaagtt 360
aggaaaagat gtagcatcgg tctgtctgtc tgtctgtctg cctgtctgtc ttctcagaat 420
catgaagcac taaggagtaa gtaagaacag tttctggggg accgacagac ctaggctact 480
gctcattagg aaacatgcca tggttgaagg tcacttagct ttaaattgtac attttaacag 540
actcttgaat gttcttgtgt gccactgggg gaaatgaggt cgggagcaca gtttagacaga 600
tggttaagta aaagctggcc tgcagcctct tggatgaatgt agtttgccat tgtttaccac 660
agagctttcc tgt                                     673

```

<210> 115
 <211> 411
 <212> DNA
 <213> Horse

```

<400> 115
aatgtacagt attttgttat ataactgaaa accagtagac taagtcttac tgtcacagca 60
gtaatgaata ctcttgatta ttaagtgaga taaatattta tcttaaaaag ataactcttag 120
aaaatttgaa aaataaattt aactttgtgt ttgtatttta gaaaacaagt atcatataaa 180
ccaactggta gtattaggaa gactaaattg aagaatagac taagaattag gatgtaatat 240
taagcaattg catggagaaa gcagaacgac ttaactctgg caaggagcgt gacctaaaag 300
gtggaaaagg gtataacaga tgtggataca aggagcctga acagatgaga gcagggaact 360
gcttcaaatg agttcttttc caagtatagt aaattgtttc tcagagccca c 411

```

<210> 116
 <211> 566
 <212> DNA
 <213> Sheep

<220>
 <221> misc_feature
 <222> (1)...(566)
 <223> n = A,T,C or G

```

<400> 116
aaaaatttgc nnnngatgta acaaatatgc acaaatcatt acaccagttc gtccctttcc 60
agcttttacag tgaattgctg caacatgatt gtcattctca cttagccatt ggtcaagatc 120
ttcacaaaag ggtttgataa gttctaactg ttggtggatt atggtcttca aagggatact 180
gtgcaactgt gataaaaaga taaccgcaga tatatgaaaa taatctcact tgaattgctt 240
attacaagta ggctaacttt agaaatgttg catacaaata gtttaaaaat gtctgaacta 300
tagaggaaaa gaatttattg tctgataatt ttctaatttt cgaacagaaa ataattcttc 360
attaactcaa atttatccat tcgacaggta agacaagtat tatttcttca ctctatgatg 420

```

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```

gaggcaatgg aggagcaaca tatcagaggt cacaacataa cggaggaaga ggcaaaactca 480
gaatgaaacg tcgcacgagc ctcttagcag ggctctcaat acgttcttag caaaagggagc 540
tggtaacatc tataatatcg cattat                                     566

```

```

<210> 117
<211> 497
<212> DNA
<213> Turkey

```

```

<400> 117
aagctgcatt ttgccaggtg taaggaactg acagagacaa ccaagaccaa agcatttcag 60
gctgaattcc cctckttcct cccacctcct ctgaacaaat ggaggttctg acagagtggg 120
gagattaatt cagaatatgt gtgcacagta cacctggcag accccacaaa gcttggctca 180
aagaacaaag atgaaacaaa ggcatgaata gaggcagtaga aggattttaca aaaggacaaa 240
agatggggcag ccattttaaag gtgacagtaa tttcttaagt aaatgtcaaa actcttcaaa 300
gaagcaaggg ggataatatt catgaatact taaggctgaa acgtgaacat gttgatttgc 360
catttggaag gttatgtttc cttcttatct cctctctgat agcttcaata atgggcacta 420
aaattcgttc ctgaaaaaat gcaaagaaat cactcagtgt ctgaggacgt gttgatttca 480
catgtattga aatcagt                                     497

```

```

<210> 118
<211> 365
<212> DNA
<213> Trout

```

```

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

```

```

<400> 118
cattatgacn nnnnnnnatt caattgcaga ggattagata ttacatcaga gtgaaaccat 60
tactactgtc ttccaggcag tcagtgaatg aatcaatctt tcactaaaaa cccacgtgtg 120
acgctaacta actgagcccg gtctctgtct gtctctctcc agttgcacaa tatccgtttg 180
aggatcaciaa tccgccccag ctggagctga tcaaaccggt ctgcgaagat cttggccttt 240
ggttaaagtga agacgacaat catgtggcgg cgattcactk taaarctgga aaggacgtac 300
gggtgtcatg atctgtgctt acctgttaca ccggggcaag ttcttcaaag cacaagaagc 360
tctcg                                     365

```

```

<210> 119
<211> 656
<212> DNA
<213> Roe deer

```

```

<400> 119
gtataggtac acttactatg ttagataact tgaggccaac agtctaaatt ttactatcat 60
accagtaatg aataatctca agtattaagt gatacagtca tcttaaagat gatcttagaa 120
aatttgaaat taattttgct gttgtgtttt tggaacaag tgatcatgaa atgagggaga 180
ctaaactgaa ttaactgaaa actaggagaa atttatagac tgacagaata aagaaaggg 240
tatactgtg atttgaggca tttggcgtaa tagtaagaga ttacaggagg aaaggagaat 300
gatttaattc tataatggaa catgacctgc acagtggaaa aagggtataa tgaaatataa 360
awaaaaggag cctgatagat gagagcaaga actgctttta gtgaattttt ctccagggtat 420
agtatatttt atctcagagt ccacaaatac tttcatttgt ttttgtggaa ctcttagaac 480
gacgagagac cagggaacatt gagaagctaa tatatttgcc attgttcctt cctaaatatt 540
tagcacaggc tttcaaacag ttggtttaag aattcagaag tgctaataac tgagagcaag 600
ggtagattta ttactaagaa tgtttcattt ttggtggatt ttgctatttc tgggtca 656

```

<210> 120
 <211> 405
 <212> DNA
 <213> Deer

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 120
 gtataggtac acttttnnaag ccaacagtct aaattttact gtcataccaa taatgaataa 60
 tctcaagtat taagtgatat atttatctta aagatgatct tagaaaattt gaaactaatt 120
 ttgctgttgt gtttttggaa acaagtgtca tgtaaagtga ggagaccata actgaattaa 180
 ctgaaaactg ggaaaaattt atagactaac agaataaaga aagggttata tctgtgggtt 240
 gaggcgtttg acgtaatagt aagagattac agggagaaa gagaatgact taattctata 300
 atggaacacg acctgcacag tggaaaaagg gtataatkaa atgtagataa aggagcctga 360
 tagttgagag caagaactgc ttttaagtga tttttctcca ggtgt 405

<210> 121
 <211> 522
 <212> DNA
 <213> Chimpanzee

<220>
 <221> misc_feature
 <222> (1)...(522)
 <223> n = A,T,C or G

<400> 121
 cattatgacn nnnnnnnnnn nnattgcaga ggtaggtatg aatgtactgt actatgttgt 60
 ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
 tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
 tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
 aagtgcagca tagactaaga atgaggaaaa ttcttagact nnaatagtat aaggagaggg 300
 tttacctact atttgaggca gttggtctaa tagtaagcaa tcacaggag aaagcagaac 360
 tacttaactc ttctgtgttg aggaatgaca taaaaggtag gaaggatata acaaatgttg 420
 ataagaggag tctgatggat gagaggagg aactgcttta aatgagttct acttcagaca 480
 tadgttaatt ctcagagccc acaaaacttt cacttttatt tg 522

<210> 122
 <211> 666
 <212> DNA
 <213> Gorilla

<220>
 <221> misc_feature
 <222> (1)...(666)
 <223> n = A,T,C or G

<400> 122
 cattatgacn nnnnnnnatt taattgcaga ggtaggtatg aatgtdctgt actatgttgt 60
 ataaacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
 tcgagtgaga tacatatatta tcttaagaat tatctttaaa aatttcacaaa attttaattt 180
 tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
 aagtgcagca tagactaaga atgaggaaaa ttcttagact nnaatagta taaggagagg 300
 gtttacctac tatttgaggc agttggtcta atagtaagca atcacaggga gaaagcagaa 360

```

ctacttaact cttctgtgtt gaggaatgac ataaaaggta gggaaggata taacaaatgt 420
tgataagagg rgtctgatgg atgagaggag ggaactgctt taaatgagtt ctacttcaga 480
cataagttaa ttctcagagc ccacaaaaac tttcactttt atttgtgaaa tgcaactcag 540
ttctcatggc ttaacacttt aamccatgag agactgaaga gttgagaagc ttggcagatg 600
ctgctgtgat agtcaaaaag aaagtgggtg ccatgagcta ctattgatgt atttgccatt 660
gatccc 666

```

<210> 123
 <211> 741
 <212> DNA
 <213> Orang-utan

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n = A,T,C or G

```

<400> 123
cattatgacn nnnnnaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagawt tatcttaaaa aatttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaan nnnataagga gagggtttac 300
ctactgtttg aggcagttgg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaaag gatataacaa atgttgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaaa aaactttcac ttccatttgt gaaatacaac tcagttctca 540
cggcttaaca ctttaaacca tgagagaact gaagagttga gaagcctggc agatgcttcc 600
gtgatagtca aaaagaaagt ggggtgccatg agctactatt gatgtatttg ccattgatcc 660
cycctgaaaa tctagaatgg actttcagac aaatggtttg aaaatcctaa atcactaatg 720
attgggattt agtatagatt c 741

```

<210> 124
 <211> 608
 <212> DNA
 <213> Orang-utan

<220>
 <221> misc_feature
 <222> (1)...(608)
 <223> n = A,T,C or G

```

<400> 124
cattatgacn nnnncaaatt taattgcaga ggtaggtacg aatgtactgt gctatgttgt 60
ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagaat tatcttaaaa datttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
cagagtagac taagaattag gaaaattcct agactaaaat nnnataagga gagggtttac 300
ctactgtttg aggcagttgg tctaatagta agcgattata gggagaaagc agaactactt 360
aactcttctg tgttgaggaa tgacatgaaa ggtaggaaaag gatataacaa atgctgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattctca gagccacaaa aactttcact ttccatttgt aaatacaact cagttctcac 540
ggcttaacac ttttaacccat ggagagacct gaagagttgg agaagccttg cagatgcttc 600
tgtgatag 608

```

<210> 125
 <211> 402

<212> DNA
 <213> Banting cattle

<400> 125
 gagagacatt atgacaccgc caaattttaat tgcagaggta agtataggta cacatattat 60
 gttagataac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatctc 120
 aagtattaag tgatatatatt atctttaaaga tggctctgaga aaatttgaaa ttaattttgc 180
 tgttgtgttt ttggaaataa gtatcatgta aatgaggaag actaaattga attaactgaa 240
 aactaggaga aatttataga ctaacagaat aaatagaggg ttatatctgt gatttgaggc 300
 atttggcatg atagtaagag attacagga gaaaggagaa tggcttaatt ctgtaatgga 360
 acatgacctg tacagtggaa aagggtataa tgaaatatgg at 402

<210> 126
 <211> 479
 <212> DNA
 <213> Indian elephant

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 126
 gacattatga cnnnnnnnnn nnnnnntgca gaggtaggta taaatgtttt atagtatgtt 60
 gtataactta aaacccaaag tctaaatatt actgccatag caatagtga tttcttagat 120
 tattaagtaa gataaatatt tatcttaagg atggtcttaa aaatttgagg gaaataaatt 180
 taattttaat attatgtttt agaacaagta tcccataacc ctatgagtaa tgtcgtgaag 240
 accaaaataa agaataggct aagaattagg agaaattcct aggataagaa taaaataagg 300
 aaggggggca tgcctagtgt ttgaggcagt tgggtgtaata ctaagagatt atatggagaa 360
 agcaggacta ctcaattctt ctctatcaaa gagaataacc taaaggggtg aaaagagtat 420
 aacaaatgtg gataagagga gcttgagaac gagagtgggg agatgcttta aatgagctc 479

<210> 127
 <211> 284
 <212> DNA
 <213> Fishing cat

<400> 127
 gagagacatt atgacaccgc caaattttaac tgcagaggta ggtattaaht gcagagtaat 60
 gtattatgtt atataactyc aaaccagtag actaaatctt actgtcatag cagtgatgaa 120
 taatctcatt attaagttag ataaatattt atcttcaaga tggctctaaa aaatttgcaa 180
 aacaaattta attttgctgt tgtgttttgg gaagcaagta tcctataaac ctgccggtac 240
 taactagtag gaagactaat cccagagtag actaagaatt tgga 284

<210> 128
 <211> 290
 <212> DNA
 <213> Sun bear

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 128
 gagagacatt atgacnnnnn nnnnnnnaac tgcagaggta ggtaaaaact gccagtaat 60
 gtatttatgt tgtataactt aaaaccagta gaccaaactt tactatcata gcagtaatga 120

```

ataatctcaa ttaattaagt ggaagtaaat tatttatctt aaagatggtc ttagacactt 180
tggaaaacta atttaatat gctgttgtgt tttaggaagc agttatcata taaacctgcc 240
agtactagta cgaataactaa aacgcagagt agactctaaa attgaggaaa 290

```

```

<210> 129
<211> 272
<212> DNA
<213> Dwarf goat

```

```

<400> 129
gagagacatt atgacaccgc caaatTTtaT tgcagaggta agtacaggta cacatattat 60
gttaggtaac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatcac 120
aagtattaag taatatattt atgttaaaga tggcctgaga aaatgtgaaa ttaactttgc 180
tgttgtgttt ttggaaataa gtatcatgta aatgaggatg actaaattga attaactgaa 240
aactaggaga agtttataga ctaacagaat ag 272

```

```

<210> 130
<211> 327
<212> DNA
<213> Guinea pig

```

```

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = A,T,C or G

```

```

<400> 130
gagagacatt atgacnnnnn nnnattttaT tgcagaggta tgtataaata taccatggtc 60
tggggtatga ttgaaaacca ataggctgtg ttttattatc agcaataatg gatcatttaa 120
attattagaa aagataaata tttttcttta attatagtct gagataattt gaaaatacta 180
atTTTTtggt tgagcttttag aaatcatgtg tcaggtaaT ctgtcaatgt tgtccggaaa 240
actcgagtac atagtagact taagaattag gataaattac taaactgata atggaataaa 300
gaggatattt acctgctgct tgaaaca 327

```

```

<210> 131
<211> 21
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Zoo43sUV

```

```

<400> 131
tgtgctgaga gacattatga c 21

```

```

<210> 132
<211> 19
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Zoo44aRV

```

```

<400> 132
ttgtctctgg tccttactt 19

```

```

<210> 133

```

<211> 281
 <212> DNA
 <213> Man

<400> 133
 ttgtctcttg tcttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg 60
 ccccgatgta ataaatatgc ataaatcatt ataccagttc gtccctttcc agctttacag 120
 tgaattgctg caacatgatt gtcattctca cttagccatt ggtcaagatc ttcacaaaag 180
 ggtttgataa gttctagctg tgggtgggta tgggtctcaa aaggatattg cgcaactctg 240
 taattagatt tggcgggtgc ataatgtctc tcagcacaaac t 281

<210> 134
 <211> 271
 <212> DNA
 <213> Chimpanzee

<400> 134
 ggtccttact tccccataga aatgtagggc ctcttctgccc tttaaaaaatt tgccccgatg 60
 taataaatat gcataaatca ttataccagt tcttcccttt ccagctttac agtgaattgc 120
 tgcaacatga ttgtcatctt cacttagcca tgggtcaaga tcttcacaaa aggggtttgat 180
 aagttctagc tgtggtgggt tatggtcttc aaaaggatat tgcgcaactc tgtaattaga 240
 tttggcgggtg tcataatgtc tctcagcaca a 271

<210> 135
 <211> 271
 <212> DNA
 <213> Oran-utan

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 135
 tggctccttac ttccccatag aaatctaggg cctcttctgccc ctttaaaaaat ttgccccgat 60
 gtaataaata tgcacaaatc attacaccag ttctgctcctt tccagcttta cagtgaattg 120
 ctgcaacatg attgtcatct tcaacttagcc attggtcaag atcttcacaa aagggtttga 180
 taagttctag ctgtggtggg ttatggtctt caaaaggata ttgtgcaact nnnnnnnnnn 240
 nnnnnnnnnn gtcataatgt ctctcagcac a 271

<210> 136
 <211> 268
 <212> DNA
 <213> Gorilla

<400> 136
 ctggtcctta cttccccaga gaaatctagg gcctcttctg cttttaaaaaa tttgccccga 60
 tgtaataaat atgcataaat cattatacca gttcgtccct ttccagcttt acagtgaatt 120
 gctgcaacat gattgtcatc ttcaacttagc cattggtcaa gatcttcaca aaagggtttg 180
 ataagttcta gctgtggtgg gttatggtct tcaaaaggat attgtgcaac tctgcaatta 240
 aatttgccgg tgcataatg tctctcag 268

<210> 137
 <211> 306
 <212> DNA
 <213> Domestic pig

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<400> 137
 tctctggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120
 acatgattgt catcttccact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaagtgtg 240
 gcggtgtcat aatgtctctc agcacaactc tgcaattaaa tttggcgggtg tcataatgtc 300
 tctcag 306

<210> 138
 <211> 258
 <212> DNA
 <213> Wild boar

<400> 138
 tctctggtcc ttacttcccc atagaaatct tgtgccttta aaaatttgcc cggatgaaac 60
 aaatatgcac aaatcattac accagttcat ccttttccag gtttacagtg aattgctgca 120
 acatgattgt catcttccact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
 tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaagtgtg 240
 gcggtgtcat aatgtctc 258

<210> 139
 <211> 18
 <212> DNA
 <213> SPL5 senseArtificial Sequence

<220>
 <223> SPL5 sense

<400> 139
 aaatttaatt gcagaggt 18

<210> 140
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Zoo44aRV antisense

<400> 140
 ttgtctctgg tccttacttc 20

<210> 141
 <211> 712
 <212> DNA
 <213> Man

<400> 141
 ttgtctctgg tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg 60
 ccccgatgta ataaatatgc acatatcatt acaccagttc gtccctttcc agctttacag 120
 tgaattgctg caacatgatt gtcattctca cttagccatt ggtcaagatc ttcacaaaag 180
 gggttgataa gttctagctg tgggtgggta tgggtcttcaa aaggatattg tgcaactgtg 240
 gtaaaaagat aacctcagaa taagaaaaaa aaactcttga atttttaatt aacaagtagg 300
 taactttaga aatgtttgat acaaaactta cagggtattta aaagaaacac tggattccag 360
 agaaaaataa tgtattgctt aactttctaa ttgttaaata gaaaatagtc tcttgataag 420
 tcttaaatat aatcattaag gaagccagggt attattttcc cccattttat tcaggaggat 480
 atattctggg aattttacgct atacggactg gtagcatagg tcacatatta gaggtagagc 540

```

taaaccctaaa atgaactgtc acatggacat ttogtcagga ctctcaatgc aaaaggaata 600
atactatttta tagtatttat ttcatcatca caaaacatat tccaaagaca gaatagttta 660
ctaataaggta aactatgcaa agaactacat attacatttc ataaaataaa aa 712

```

```

<210> 142
<211> 593
<212> DNA
<213> Chimpanzee

```

```

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = A,T,C or G

```

```

<400> 142
tggtcctttac ttccccatag aaatctaggg cctcttgtgc ctttaaaaaat ttgccccgat 60
gtaataaata tgcacaaatc attacaccag ttogtccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attgggtcaag atcttcacaa aagggcttga 180
taagttctag ctgtggtggg ttatggtctt caaaaggata ttgtgcaact gtggtaaaaa 240
gataacctca gaataagaaa aaaaaactct tgaattttta attancaagt aggnnnnttt 300
agaatgttgc atacaaactt aacagggtatt taaaagaaac actggattcc agagaaaaat 360
aatgtattgc ttaactttct aattgtttaa tagaaaatag tctcttgata agtcttaaat 420
ataatcatta aggaagccag gtattattct cccccatttt attcaggagg atatatcttg 480
ggaatttacg ctatacggac tggtagcata ggtcacatat tagaggtaga gctaaactca 540
aaatgaactg tcacatggac atttcatcag gactctcaat gcaaaaggaa taa 593

```

```

<210> 143
<211> 589
<212> DNA
<213> Chimpanzee

```

```

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

```

```

<400> 143
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
taaatatgca caaatcatta caocagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240
acctcagaat aagaaaaaaa aactcttgaa tttttaatta acaagtaggn nntttagaaa 300
tggtgcatac aaacttaaca ggtattttaa agaaacactg gattccagag aaaaataatg 360
tattgcttaa ctttctaatt gttaaataga aaatagtctc ttgataagtc ttaaataata 420
tcattaaggg agccagggtat tattctcccc cattttattc aggaggatat attctgggaa 480
tttacgctat acggactggt agcataggtc acatattaga ggtagagcta aactcaaaat 540
gaactgtcac atggacattt catcaggact ctcatgcaaa aggaataat 589

```

```

<210> 144
<211> 593
<212> DNA
<213> Orang-utan

```

```

<400> 144
acttccccat agaaatctag ggctcttctg gccttttaaaa atttgccccg atgtaataaa 60
tatgcacaaa tcattacacc agttogtccc ttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat ctacacttag ccattgggtc agatcttcac aaaagggttt gataagttct 180

```

```

agctgtggtg gggtatggtc ttcaaaagga tattgtgcaa ctgtggtaaa aagataacct 240
cagaataaga aaaaaaaact cctgaatttt tcattaacaa gtaggtaact ttagaaatgt 300
tgcatacaaa cttaacaggt atttaaaaga aacactggat tccaaagaaa aataatgtat 360
tgcttaactt tctaattgtt aaatagaaaa tagtctcttg ataagtctta aatataatca 420
ttaaggaagc caggtattat tttcccccac tttattcagg aggatattat ctggggattt 480
acactatacg gactggtagc ataggtcaca tattagaggt agagctaaac ccaaaatgaa 540
atgtcacatg gacatttcgt caggactgtc aatgcaaaag gaataatact att 593

```

<210> 145

<211> 724

<212> DNA

<213> Orang-utan

<400> 145

```

tccttacttc cccatagaaa tctagggcct cttgtgcctt taaaaatttg ccccgatgta 60
ataaatatgc acaaatcatt acaccagttc gtccctttcc agctttacag tgaattgctg 120
caacatgatt gtcattctca cttagccatt ggtcaagatc ttcacaaaag gggttgataa 180
gttctagctg tggtgggtta tggctctcaa aaggatattg tgcaactgtg gtaaaaagat 240
aacctcagaa taagaaaaaa aaactcctga atttttcatt aacaagtagg taactttaga 300
aatgttgcat acaaacttaa caggatttta aaagaaacac tggattccaa agaaaaataa 360
tgtattgctt aactttctaa ttgttaaata gaaaatagtc tcttgataag tcttaaatat 420
aatcattaag gaagccaggt attattttcc cccattttat tcaggaggat atattctggg 480
aatttacact atacggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540
atgaaatgtc acaggacatt tcgtcaggac tgtcaatgca aaaggaataa tactatttat 600
agtattatac atcatcaca acatattcca aagacagaac agattactaa taggataaac 660
tatggaagac tatatattac atttcataaa ataaaaagct aagtgtgtta tttaaagggg 720
gtct 724

```

<210> 146

<211> 831

<212> DNA

<213> Gorilla

<400> 146

```

gtccttactt ccccatagaa atctagggcc tcttgtgcct ttaaaaaattt gccccgatgt 60
aataaatatg cacaaatcat tacaccagtt cgtccctttc cagctttaca gtgaattgct 120
gcaacatgat tgcatcttc acttagccat tgggtcaagat cttcacaaaa gggtttgata 180
agttctagct gtggtgggtt atggctctca aaaggatatt gtgcaactgt ggtaaaaaga 240
taacctcaga ataagaaaaa aaactcctga atttttaatt aacaagtagg taactttaga 300
aatgctgcat acaaacttaa caggatttta aaagaaacac tggattccag agaaaaataa 360
tgtattgctt aactttctaa ttgttaaata gaaaacagtc tcttgataag tcttaaatat 420
aatcattaag gaagccaggt attattttcc cccattttat tcaggaggat atattctggg 480
aatttacgct atatggactg gtagcatagg tcacatatta gaggtagagc taaacccaaa 540
acgaactgtc acatggacat ttcgtcagga ctctcaatgc aaaaggaata atactattta 600
tagtatttat wtcatcatca caaaacatat tccaaagaca gaatagatta ctaataggat 660
aaactatgca aagaactaca tattacattt cataaaataa aaatgctaag tgtgttattt 720
aaaggtggtc ttgcaaatgt tagtggtgta tacacatgta atcattaggg aagccaagta 780
ttattttcct ccgttttctg caggagaata cattctggga atctatgctc a 831

```

<210> 147

<211> 556

<212> DNA

<213> Domestic pig

<400> 147

```

tctctgggtc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttaccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc ctttccagc tttacagtga 120

```

```

attgctgcaa catgattgtc atcttcactt agccattggg caagatcttc acaaaaaggt 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaa gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaactt 300
ttgaaatctt gcatataaat tcaatagaga ttttaaataa aaactgaact ccagggaata 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420
cattagatag ggaggccaag tatcattttc cccactttat gaaggaggaa actttgcaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gccctt 556

```

<210> 148
 <211> 752
 <212> DNA
 <213> Wild boar

```

<400> 148
tctctgggcc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttacct 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc ctttccagc tttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggg caagatcttc acaaaaaggt 180
ttgataagtt ctagctgtgg tggattatgg tcttcgaaa gatactgtgc aactgtggaa 240
aaagataacc tcagaataaa aaaatctctc ctgagttgct aattaaaagt aggttaactt 300
ttgaaatctt gcatataaat tcaatagaga ttttaaataa aaactgaact ccagggaata 360
attgtctgat aattttcaaa tagaaaatag aaaataatct cctgttaact caaatttccc 420
cattagatag ggaggccaag tatcattttc cccactttat gaaggaggaa actttgcaat 480
agagtagcaa tgtatcagag gtcacaacgt atcagaaatg gaggtaaact caaaatgaaa 540
tgtcacatga gcccttctta tcagggttta ccatatattt tctaacaaaa ggagttgcag 600
tacttataat attggatcat tacaaaatgt atgtttcaaa gaaagtatag ttcactaata 660
aatcaacaat ggaaaagata gcaattttgtg cttcatacaa taaaaatgcc aagcatgtta 720
ttttaaagat ggtcttgcta atagtgtgtg at 752

```

<210> 149
 <211> 715
 <212> DNA
 <213> Cattle

```

<400> 149
ctctggctct tacttcccca tagaaatcta gggcctcttg tgccctttaaa aatttgcccc 60
gatgtaacaa atatgcacaa atcattacac cagttcgctc ctttccagc ttacagtga 120
ttgctgcaac atgattgtca tcttcactta gccattgggc aagatcttca caaaagggtt 180
tgataagttc taactgtggt ggattatggt cttcaaagg atactgtgca actgtgataa 240
aaaaataacc tcagaataag aaaataatct cacttgaatt gcttattaca agtaggttaa 300
ctttagaaat gttgcataca aatagtttaa aaatatctga actatagaga aaaagaattt 360
attgtctgat aattttctaa ttttgaacag aaaataatct ctcatnaact caaatttatc 420
cattagacag gtacgtcaag tattattttc ctcactttat gatggaggca atggagtagc 480
aacatatcag aggtcacaac ataacagagg gagaggtaaa ctcaaaatga tacatcacia 540
gagcctctta tcagggstct caatacattt tctagcaaaa ggaactgtaa tatctataat 600
attgcattat cacaaaatat gtattccaaa gaaagcaaa atcctaataa atcacaatgc 660
aaagactgca ttttatgcta tatatacaga aggcagcata ttattttaaa gatgg 715

```

<210> 150
 <211> 708
 <212> DNA
 <213> Banting cattle

```

<400> 150
ggtccttact tccccataga aatctagggc ctcttgtgcc tttaaaaatt tgccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggtcaaga tcttcacaaa agggtttgat 180

```

```

aagtttctaac tgtggtggat tatggtcttc aaaggggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta ggtaaacttt 300
agaaatgttg catacaaaata gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataaatt ttctaatttt tgaacagaaa ataatctctc attaactcaa atttatccat 420
tagacaggta cgtcaagtat tatttttctc actttatgat ggaggcaatg gagtagcaac 480
atatcagagg tcacaacata acagagggag aggtaaactc aaaatgatac atcacatgag 540
cctcttatca gggctctcaa tacattttct agcaaaagga actgtaatat ctataatatt 600
gcattatcgc aaaatatgta ttccaaagaa agcaaagatc actaataaat caacaatgca 660
aaagactgca ttttatgcta tatatacaga aggcaagcat attatttt 708

```

<210> 151
 <211> 548
 <212> DNA
 <213> Red buffalo

```

<400> 151
ggtccttact tccccataga aatctagggc ctcttgtgccc tttaaaaaatt ttccccgatg 60
taacaaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttgggtcaaga tcttcacaaa aggggtttgat 180
aagtttctaac tgtggtggat tatggtcttc aaaggggatac tgtgcaactg tgataaaaaa 240
ataacctcag aataagaaaa taatctcact tgaattgctt attacaagta ggtaaacttt 300
agaaatgttg catacaaaaga gtttaaaaaat atctgaacta tagagaaaaa gaattttattg 360
tctgataaatt ttctaatttt gaacagaaaa taatctctca ttaactcaaa tttatccatt 420
agacaggtaa gtcaagtatt attttctcct ctttatgatg gaggcaatgg gtagcaacat 480
atcagaggga caacataaca gaggggaaaag gtaaaactcaa aatgaaacat cacatgagcc 540
tcttatca 548

```

<210> 152
 <211> 700
 <212> DNA
 <213> Sheep

```

<400> 152
tctggctcctt acttccccat agaaatctag ggcctcttgt gccttttaaaa atttgccccg 60
atgtaacaaa tatgcacaaa tcattacacc agttcgtccc ttccagctt tacagtgaat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaagggttt 180
gataagttct aactgtgggtg gattatgggt ttcaaaggga tactgtgcaa ctgtgataaa 240
aagataaaccg cagaataaga aaataatctc acttgaattg cttattacaa gtaggctaac 300
tttagaaatg ttgcatacaa atagttttaa aatrtctraa ctatagagga aaagaattta 360
ttgtctgata attttctaat ttctgaacag aaaataatct ctcattaact caaatttatc 420
cattcgacag gtaagacaag tattattttc ctactctat gatggaggga atggaggagc 480
aacatatcag aggtcacacac ataacggagg aagaggcaaa ctcagaatga aacgtcgac 540
gagcctctta gcagggtctc caatacgttt cctagcaaaa ggaactgtaa catctataat 600
atcgcattat cacaaaacat gtattocaaa gaaagtacag atcactaata agtcaacaat 660
gcagaagact gcatttttatg cttgacgtga cagaaaggca 700

```

<210> 153
 <211> 780
 <212> DNA
 <213> Bighorn

```

<400> 153
ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
caaatatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctaactgt ggtggattat ggtcttcaa gggatactgt gcaactgtga taaaagata 240
accgcagaat aagaaaaataa tctcacctga attgcttatt acaagtaggc taactttaga 300

```

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```

aatgttgcac acaaatagtt taaaaatatt tgaactatag tggaaaagaa tttattgtct 360
gataattttc taatttttga acagaaaata atctctcatt aactcaaatt tatccattcg 420
acaggtaaga caagtattat tttcctcact ctatgatgga ggcaatggag gagcaacata 480
tcagaggcca cagcataacg gaggaagagg caaactcaga atgaaacgtc gcacgagcct 540
cttagcaggg ctctcaatac gtttcctagc aaaaggaact gtaacatcta taatatcgca 600
ttatcacaaa acatgtattc caaagaaagt acagatcact aataagtcaa caatgcagaa 660
gactgcattt tatgcttgac gtgacagaaa gggcaagcat attattttaa gatggctctg 720
aaaatgcaac tgttgcgtac acacaattct aaagacattc acaaagacac ttaaaaattt 780

```

<210> 154
 <211> 463
 <212> DNA
 <213> Cameroon sheep

```

<400> 154
acttccccat agaaatctag ggctcttgt gcctttaaaa atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagcgt tacagtgaat tgctgcaaca 120
tgattgtcat ctacacttag ccattgggtc agatcttcac aaaagggttt gataagtctt 180
aactgtggtg gattatgggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240
cagaataaga aaataatctc acttgaattg cttattacaa gtaggcggct ttagaaatgt 300
tgcatacaaa tagtttaaaa atgtctgaac tatagaggaa agaatttatt gtctgataat 360
tttctaattt tcgaacagaa aataatctct cattaactca aatttatcca ttcgacagg 420
agacaagtat tattttctca ctctwtgatg gaggcattgg agg 463

```

<210> 155
 <211> 524
 <212> DNA
 <213> Deer

```

<400> 155
tctctggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttaa aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cctttccagc tttacagtga 120
atcgctgcaa catgattgtc atcttcactt agccattggg caagatcttc acaaaagggt 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaaaatgac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcatat aaatagttaa aaaatatccg aaccataaag aaaaagaatt 360
tattgtctgg taattttcta atttttgaac agaaaataat ctctcattaa ctcaaattta 420
tccattagaa aggtaagtca agtattgttt tctcacttcc atgatggagg caatggagga 480
gcaacatatt agaggcacag cataacagag gaagaggtaa actc 524

```

<210> 156
 <211> 647
 <212> DNA
 <213> Roe deer

```

<400> 156
tctctggtcc ttacttcccc gtagaaatct agggcctctt gtgcctttaa aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cctttccagc tttacagtga 120
atcgctgcaa catgattgtc atcttcactt agccattggg caagatcttc acaaaagggt 180
ttgataagtt ctaactgtgg tggattatgg tcttcaaagg gatactgtgc aactgtgata 240
aaaagataac ctcagaataa gaaaataatt tcacttgaat tgcttattac aagtaggtta 300
actttagaaa tgttgcatat aaatagttaa aaaatatccg aaccataaag aaaaagaatt 360
attgtctgat aattttctaa tttttgaaca gaaaataatc tcttatwaac tcaaattgtat 420
ccattagaaa ggtaagcaga gtattgtttt cctcacttca tgatgcaggc aatggaggag 480
caacatatca gaggtcacag cataacagag gaagaggtaa actcacaatg aaacatcaca 540
tagcctctta tcaggactct caatacattt tctagcagaa ggaaccgtaa tatctataac 600

```

attgcattat cacaaagtat gtattccaaa taaagtacat aacacta

647

<210> 157

<211> 512

<212> DNA

<213> Goitred gazelle

<400> 157

tccttacttc	cccatagaaa	tctagggcct	cttgtgcctt	taaaaatttg	ccccgatgta	60
acaaatatgc	acaaatcatt	acaccagttc	gtccctttcc	agctttacag	tgaattgctg	120
caacatgatt	gtcatcttca	cttagccatt	gggtcaagatc	ttcacaaaag	ggtttgataa	180
gttctaactg	tggtggatta	tggtcttcaa	agggatactg	tgcaactgtg	ataaaaagat	240
aacctcagaa	taagaaaata	atctcacttg	aattgcttat	tataagtagg	ttaactttat	300
aaatgttgca	tacaaacagt	ttaaaaatat	ctgaactaca	gagaaaaaga	atttattgtc	360
tgataatttc	taattttttg	acagaaaata	atctctcata	actcaaattt	acccattaga	420
caggtaagcc	aagtattatt	ttctcacttt	atgatggagg	caatggagta	gcacatatca	480
gaggcacac	ctaacagagg	agaggtaact	ca			512

<210> 158

<211> 798

<212> DNA

<213> Horse

<400> 158

ggtccttact	tctccataga	aatctagggc	ctcctgtgcc	tttaaaaact	tgccccgatg	60
taacaaatat	gcacaaatca	ttacaccagt	tcgtcccttt	ccagctttac	agtgaattgc	120
tgcaacatga	ttgtcatctt	cacttagcca	ttgggtcaaga	tcttcacaaa	aggggtttgat	180
aagttcttag	tgtgggtggat	tatgatcttc	aaaaggatac	tgtgcaactg	tggtaaaaag	240
ataatctcaa	attaagaaaa	aaatctctcc	tgaattgttt	attaaaagta	ggttaacttt	300
aggaatgctg	cgtataagtt	taacagatat	ttaaaagaaa	aactgaactc	cagagaaaaa	360
taattttattg	tctgataatt	ttctaatttt	tgaatagaaa	ataagagtcc	cattaattct	420
caaaactcat	ccattagaca	gggaagccaa	gtattatttt	ccctactcta	tgaaggagta	480
cattgtgcta	tgcagaggta	gcaaagggtca	caacacataa	gacatggagg	tgaactcaaa	540
atgaaatgtc	acatgggcct	cttggttatgg	ctttcaatgc	atactctaac	aaaaggagaa	600
ataacactta	gaatattgca	tcaccacaaa	acatatattc	caaagaaaag	acagattact	660
aataaatcaa	cggraaggat	ggcatttttac	acttcatata	ataaaaaatgc	taactgtgtt	720
attttaaaga	tggtctggca	aatggtagcg	ctgtataaccg	actttaacag	cattttacaaa	780
gaaactggaa	aatcactt					798

<210> 159

<211> 519

<212> DNA

<213> African elephant

<220>

<221> misc_feature

<222> (1)...(519)

<223> n = A,T,C or G

<400> 159

tggtccttac	ttcnnnnnnn	nnnnnnnnnn	nnncttgtgc	ctttaaaaat	ttgccccgat	60
gtaacaaata	tgcacaaatc	attacaccag	ttcgtccctt	tccagcttta	cagtgaattg	120
ctgcaacatg	attgtcatct	tcacttagcc	attgggtcaag	atcttcacaa	aagggtttga	180
taagctctag	ttgtgggtgg	ttgtggtctt	caaaaggata	ctgtgcaact	gtggtaaaaa	240
gataaactca	gaataagaaa	aaaatctctc	ctgaattttt	aattaaaagt	agggttagctt	300
cagaaacatt	gcacataaac	tataaacagg	tgtttaaata	aaagataagc	taaactccct	360
taaaaaaaaa	tttattgcct	gataacttgc	tagtttttga	atatagtctc	tcactaactc	420

ttaaattgcat ccattaaaaa aggagaccaa gtattatattt cccacatta tgctagagga 480
 aactgtgtta tgctgaagta gcacagggtta catctcaga 519

<210> 160
 <211> 776
 <212> DNA
 <213> Indian elephant

<220>
 <221> misc_feature
 <222> (1)...(776)
 <223> n = A,T,C or G

<400> 160
 tggctccttac ttccccataa aaatctaggg cttcttgtgc ctttaaaaaat ttgccccgat 60
 gtaacaaata tgcacaaatc attacaccag ttcgccctt tccagcttta cagtgaattg 120
 ctgcaacatg attgtcatct tcaacttagcc attgggtcaag atcttcacaa aagggtttga 180
 taagctctag ttgtggtggg ttgtggtctt caaaaggata ctgtgcaact gtggtaaaaa 240
 gataaactca gaataagaaa aaaatctctc ctgaattttt aattaaaagt aggttagctt 300
 cagaaacatt gcacataaac tataaacagg tgttttaata aaagataagc taaactccat 360
 taaaaaaaaa tttattgcct gataacttgc tagtttttga atatagtctc tcactaactc 420
 ttaaattgcat ccattaaaaa aggagaccaa gtattatattt cccacatta tgctagagga 480
 aactgtgtta tgctgaagta gcacagggtta catctcagag gtggagctga acccaaaaag 540
 aaatgttaca taggcctctt gtcaagggtc gtcaatgcat tttctaaca aaggagtagt 600
 gacactaata atattgcatc accttggtta cagaacatat tctcaaagg agaatggatt 660
 attaacagaa tcagtaattg aaaggattgc attttatact tcatataaaa natgttcggg 720
 ctattattta aagggtggcct tacaatgtt agtgttgtat acaatgattt ataaga 776

<210> 161
 <211> 701
 <212> DNA
 <213> Dog

<400> 161
 ggtccttact tccccataga aatctagggc ctcttgtgccc tttagaaatt tgccccgatg 60
 taataaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
 tgcaacatga ttgtcatctt cacttagcca ttgggtcaaga tcttcacaa aagggtttgat 180
 aagttctagc tgtggtggat tatggtcttc aaaaggatac tgtgcaactg tggtaaaaag 240
 ataacctcag aattagaaaa aagtctttcc tgaactgttt attaaaagta gggttaacttt 300
 agaaacattg catgtaagct taacagatgt ttaaaagaaa aacggaactc cagagaaaaa 360
 taatttgctg tctgataatt ttccaatttt tgaatagaaa atagtctctc attaatctt 420
 aaacctacca ctagagagag aggctaagca ttattttccc cactttaatg aaagaggaaa 480
 ctttgcaatg gagagggagc acacgtcaac atatcagagg gaagaggcaa actcaaaatg 540
 aaatggcaca caggtttcct gtcagggtc tcaatgcatt ttctgacaaa aggagtcata 600
 atatttataa tactacgtca tcacaaaata tatattccag agaaagtata aataaccgat 660
 aaatcaatga tggaaaggat tgattttaca cttgatataa t 701

<210> 162
 <211> 603
 <212> DNA
 <213> Sun bear

<220>
 <221> misc_feature
 <222> (1)...(603)
 <223> n = A,T,C or G

<400> 162

```

ggtccttact tcnnnncata gaaatctagg gcctcttggt cctttaaaaa tttgccccga 60
tgtaataaat atgcacaaat cattacacca gtctgtccct ttccagcttt acagtgaatt 120
gctgcaacat gattgtcatc ttcaacttagc cattgggtcaa gatcttcaca aaagggtttg 180
ataagttcta gctgtggtgg attatggtct tcaaaaggat actgtgcaac tgtggtaaaa 240
ggataacctc agaattagaa aaaagtcttt cctgaattgt ttattaaaga aggttaactt 300
tagaaatgtt gcatataagc ttaacagatg tttaaaagaa aaactaaact ccagagaaaa 360
taattttgtg cctgacaatt tacgaatttt tgaatagaaa acagtctctc attaatctct 420
aaaccacccc acaagacaga ggccaagcat tatgttcccc acttaactga agaggaaaaga 480
aacttttgcta tggagaggta gcacaagtca catatcagag ggagaggcaa attcnaaatg 540
aaatgtcacg taggtagggt tctgttaggg ctctcaatgc atttttctga caaaaggagt 600
cgt 603

```

<210> 163

<211> 536

<212> DNA

<213> Mouse

<400> 163

```

ccttacttcc ccataaaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgcaa 60
taaatatgca caaatcatta caccagtccg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatottcac ttagccattg gtcaagatct tcacagaagg gtttgataag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatactgt gcaactgttg caaaaagata 240
atcccagtgt aagaaaattt taaatttttt atttaaaaac atagggttaac tttcaaaatg 300
ttatatataa acttactggt tcttaaaaga agcctaactt tcaggaaatt ttaattttatt 360
actaattaaa cctagatttt aaagaaagtc ttttattaat tcttaaatgc attcattaga 420
catggaaaca agcattgtgc tcttcaactc agggaggatg aatctgtgca tgaagggaac 480
acgtcatagc ctatcagtc actgaatcca aatgcacgtc acccaggcac ttgtca 536

```

<210> 164

<211> 696

<212> DNA

<213> Guinea pig

<400> 164

```

acttctccat agaaatctag agcctottgt gcctttaaaa atttgccccg atgtaataaa 60
tatgcacaaa tcattacacc agtccgtccc ttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattgggtc agatcttcac aaaaaggctt gataagttct 180
agctgtggtg ggttatgac ttcaaaaggg tattgtgcaa ctgtgataaa aacataatct 240
cagagtaaga aagggatctt gcctaaattt ctaatcagaa atagggtcaac tttagaaatg 300
tttcacataa actcaagatg tttaaacaga aaaactgaac tgcatagaaa aataattttat 360
tgttcgttta cttttttact ttcttttttt aaaatacaaa atagtctatt agtaactttt 420
aaacgtatct attacacaag gtggccaggt attacgttct tcacttcatg caggagaaaa 480
ctgtgatttg acagggaaca cagatcataa aacatcaaag atacatcgaa tccaaaaaaa 540
taccagggtc cacagcctct cataacgtct ttaggtgaat ttctgacaaa agcagtaaca 600
tttattatac tgcataacca tacaacacac tttgaaggaa gtatgaacta ctaatrggat 660
acactatgaa aaarmtgc atttatatttt ataat 696

```

<210> 165

<211> 695

<212> DNA

<213> Himalaya-Tahr

<220>

<221> misc_feature

<222> (1)...(695)

<223> n = A,T,C or G

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<400> 165

```

acttcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna atttgccccg atgtaacaaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcacttag ccattggtca agatcttcac aaaagggttt gataagttct 180
aactgtggtg gattatggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240
cagaataaga aaataatctc acttgaattg cttattacaa gtaggttaac tttagaaatg 300
ttgtatacaa atagttttaa aatatctgaa ctatagagga aaagaattta ttgtctgata 360
atttttcta atttgaacaga aaataatctc tcattaaactc aaatttatcc attcgacagg 420
taagacaagt attccttttc tcaactctatg atggaggcaa tggaggagca acatatcaga 480
ggtcacaaca taacgsagga agaggcaaac tcaagagtga aacgtcgcac gagcctctta 540
tcaggcctct ccaatacggtt tcctagcaaa aggaactgta acatctataa tatcgcata 600
tcacaaaaca tgtattccaa agaaagtaca gatcactaat aggtccaatg cagaagactg 660
cattttatgt tgatgtgaca gaaaggcaaa gcata 695

```

<210> 166

<211> 281

<212> DNA

<213> Human

<400> 166

```

ccttacttcc ccatagaaat ctagggcctc ttgtgccttt aaaaatttgc cccgatgtaa 60
taaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgatcag 180
ttctagctgt ggtgggttat ggtcttcaaa aggatattgt gcaactgtgg taaaaagata 240
acctcagaat aagaaaaaaa actcctgaat ttttaattac a 281

```

<210> 167

<211> 373

<212> DNA

<213> Vikunja

<220>

<221> misc_feature

<222> (1)...(373)

<223> n = A,T,C or G

<400> 167

```

ccttacttcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngatgtaa 60
caaataatgca caaatcatta caccagttcg tccctttcca gctttacagt gaattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgataag 180
ttctagctgt ggtggattat ggtcttcaaa aggatactgt gcaactgtgg ttaaaaaaaa 240
agaaaagaaa aaaagaacct cagaataaga aaaaaaatct cccctgaact gcttattaaa 300
tgcaagttaa ctttggaat gttggcatat taaccttaac agacgtttta aaaggaaaat 360
ctgaactcca gag 373

```

<210> 168

<211> 291

<212> DNA

<213> Spotted mustang

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 168

```

ctctggctct tacttcccca tagaaatcta gggcctcttg tgcctttaa aatttgcccc 60

```

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```

gatgnaataa atatgcacaa atcattacac cagttcgtcc ctttccagct ttacagtga 120
ttgctgcaac atgattgtca tcttcactga gccattgggc aagatcttca caaaaggggt 180
tgataagttc cagctgcggt gggttatggt cttcaaaagg atactgtgca actgtgtaaa 240
aagatcacct cagagtgaga aaagagtcct tcttgaactg tttcttaaaa g 291

```

<210> 169
 <211> 598
 <212> DNA
 <213> Fishing cat

```

<400> 169
acttcccat agaaatctag ggcctcttgt gcctttaaaa atttgcccg atgcaataaa 60
tatgcacaaa tcattacacc agttcgtccc tttccagctt tacagtgaat tgctgcaaca 120
tgattgtcat cttcactgag ccattgggtca agatcttcac aaaaggggtt gataagttcc 180
agctgcggtg gggttatggtc ttcaaaagga tactgtgcaa ctgtgtaaaa agatcacctc 240
agaatgagaa aagaggcctt cctgaattgc ttcttaaaag taggttaact tcagaaacgt 300
tgcatataag cttaacagat gtttagaagg aaaactaaac tccagagaaa aatactcgtc 360
tgatgatttt ccaatttttg aacagaaaaac agtctctcat taatttttaa acctatgcac 420
tagacagaga ggccgattat ttccccccat gacgaagagg agactgctct ggagagcaag 480
cacaagtcac aacgtgtcag agggagagga ggacccggaa tgtcacacag gtttcctgtc 540
agggctctca atgcattttc tgacaaaatg agtaatacgc ttatactatt acatcatc 598

```

<210> 170
 <211> 220
 <212> DNA
 <213> Turkey

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n = A,T,C or G

```

<400> 170
ctctggctct tacttcccca tagaaatcta gggcttcttg agcctttaaaa aatttgcttc 60
gatgtaataa atatgcacat atcattacac cagttcgtcc ctttccagct ttacagtgga 120
ttgctgcaac atgattgtca tcttcactta gccattgggc aagatcttca caaaanggtt 180
tgataagctc taactgtggt gggttatggt cttcaaaagg 220

```

<210> 171
 <211> 505
 <212> DNA
 <213> Cockerel

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

```

<400> 171
tctggtcctt acttcccat agaaatctag ggccttctga gcctttaaaa acttgccctg 60
atgcaacaaa tatgcacata tcattacacc agttcgtccc tttccagctt tacagtggat 120
tgctgcaaca tgattgtcat cttcacttag ccattgggtca agatcttcac aaaaggggtt 180
gataagctct aactgtggtg gggttatggtc ttcaaaaggg tactgtgcaa ctgtaatgag 240
aaggattaac ttattaaaaa ctaaaaagga taatcaccaa gagctcaact agacaggtca 300
aatttggtgac aagcatgaaa aaattaacat tctaaatata gtcttgcata tagatttgta 360
tacacgcaac tttgattctg ctgttattca gtaacattgc aactaaaatg catcacaaat 420
ttctctagta atacgtaagt atcttactgg catgaagagg actatcccac cgtgcttctg 480

```

nagttnttac tacagactct gcacc

505

<210> 172
<211> 645
<212> DNA
<213> Duck

<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

<400> 172
ccttacttcc ccatagaaat ctagagcttc ttgagccttt aaaaacttgc ctctatgcaa 60
cagatatgcg catatcatta caccagttcg tccctttcca gctttacagt ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttaatgag 180
ctcaagctgt ggtggggttat ggtcttcaaa aggggtactgt gcaactgcaa caagaaagaa 240
aaacttacca aaatctcaaa aggaaactac agcaagcttg actagacgtg tcatctttgg 300
acaagcacac acaaaaatta acatttctaaa taaaaactgt cttatatgta tatacatata 360
gcttttgcttt cactgttatt cagcagcata ctatacactn ttncacatca cagacatttc 420
tctattaata cataagcaca tatcttagac tatttcacag tgcttctgaa acaagtgcga 480
cagactctat tttacactat tttttotgaaa tttaagagtg cactggcaca aagaataacc 540
ttgtgaaaac ccattagtca cagactacct gctgagagaa agcagggcaa acctcactca 600
ctgatcagag acaggggattt tgcagcaaga attctgagtg gctgg 645

<210> 173
<211> 516
<212> DNA
<213> Quail

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

<400> 173
ccttacttcc nnnnnnnnnn nnnnnnnnnn nnnnnccttt aaaaacttgc ntcgatgcaa 60
caaatatgca catatcatta caccagttcg tccctttcca gctttacaat ggattgctgc 120
aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaaag gtttgataag 180
ctctagctgt ggtggggttat ggtcttcaaa aggggtactgt gcaactgcaa tgagaaggaa 240
taacgttcta aataaaacac agtcttgcac acagatttgc atccacacag ctttgattct 300
gttggtattc agcagcatat tacacactat aaatgcatca catgtttctc tagtaatacg 360
taagcatctt gctgcatgaa gagacctcag aagcattgtg ggaatagtta gtgctaccaa 420
ctgcacctta caccatgatt ttactcaaat taagagtgtg ctggcacaaa aaataacgtg 480
ttttaagggtc acccatcaaa tgcagtgtct tttttt 516

<210> 174
<211> 395
<212> DNA
<213> Trout

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 174

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```

tctctgggtcc ttacttcnnn nnnnnnnnnn nnnnnnnnnn ngctttgagg aacttgcccc 60
gggtgtaacag gtaagcacag atcatgacac ccgtacgtcc ctttccagct ttacagtga 120
tcgccgccac atgattgtcg tcttcactta accaaagggtc aagatcttcg cagaacgggt 180
tgatcagctc cagctggggc ggattgtgat cctcaaacgg atattgtgca actggagana 240
gacagacaga gaccgggctc agttagttag cgtcacacgt ggggttttag tgaaagattg 300
attcattcac tgactgcctg aaagacagtg ataatgggtt cactctgatg taatatctaa 360
cctctgcaat tgaatttgtg ttgcgtcata atgtc 395

```

<210> 175
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENse sense

<400> 175
 atcttgacca atggctaagt g 21

<210> 176
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Zoo44aRV

<400> 176
 ttgtctctgg tccttacttc 20

<210> 177
 <211> 160
 <212> DNA
 <213> Goat

```

<400> 177
tctctgggtcc ttacttcccc atagaaatct agggcctctt gtgcctttta aaatttgccc 60
cgatgtaaca aatatgcaca aatcattaca ccagttcgtc cctttccagc tttacagtga 120
attgctgcaa catgattgtc atcttcactt agccattggt 160

```

<210> 178
 <211> 150
 <212> DNA
 <213> Antelope

<220>
 <221> misc_feature
 <222> (1)...(150)
 <223> n = A,T,C or G

```

<400> 178
ctggtcctta cttccccata gaaatctagg gcctnntgtg cttttaaaaa ttgccccga 60
tgtaacaaat atgcacaaat cattacacca gttcgtccct ttccagcttt acagtgaatt 120
gctgcaacat gattgtcatc ttcacttagc 150

```

<210> 179
 <211> 153

<212> DNA
<213> Kangaroo

<400> 179
tctctggtcc ttacttcccc atagaaatct agagcctctt gtgcctttaa aaactttcct 60
cgatgtaata aatatgcaca aatcattacg ccagttcgtc cctttcctgc tttacagtga 120
attgctgcaa catgattgtc atottcactt agc 153

<210> 180
<211> 154
<212> DNA
<213> Rabbit

<400> 180
gtctctggtc cttactttctc cataaaaaatc tagggcttct tgtgccttta aaaatttgcc 60
ccgatgtaat aaatatgcac aaatcattac accagttcgt ccctttccag ctttacagtg 120
aattgctgca acatgattgt catottcact tagc 154

<210> 181
<211> 155
<212> DNA
<213> Hare

<400> 181
ggctccttact tctccataaa aatctagggc ttcttgtgcc tttaaaaatt tgccccgatg 60
taataaatat gcacaaatca ttacaccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca ttggt 155

<210> 182
<211> 159
<212> DNA
<213> Goose

<400> 182
tctctggtcc ttacttcccc atagaaatct agagcttctt gagcctttaa aaacttgccct 60
cgatgcaaca aatatgcgca tatcattaca ccagttcgtc cctttccagc tttacagtgg 120
attgctgcaa catgattgtc atottcactt agccattgg 159

<210> 183
<211> 156
<212> DNA
<213> Ostrich

<400> 183
ctctggtcct taacttcccca tagaaatcta gggcttcttg agcccttaaa aacttgccctc 60
gatgtaacaa ataagcacat atcattacac cagttcgctc ctttccagct ttacagtgga 120
ttgctgcaac gtgattgtca ttttcaacta gccatt 156

<210> 184
<211> 151
<212> DNA
<213> Pigeon

<400> 184
tctggctcctt acttctccgt agaaatctag ggcttcttga gcctttaaaa acttgccctcg 60
atgcaacaaa tatgcacata tcattacacc agttcgctcc tttccagctt tacagtggat 120
tgctgcaacg tgattgtcgt cttcacttag c 151

<210> 185
 <211> 163
 <212> DNA
 <213> Varan

<400> 185
 tctctgtgtcc ttactttcccc atagaaatct agagcttctt gtgccttttg aaatcttcct 60
 cgatgtaata aatatgcaca aatcattaca ccagttcgtc cctttccagc ttacaatgg 120
 attgccgcaa cgtgattgcc atcttcaact agccattggc caa 163

<210> 186
 <211> 160
 <212> DNA
 <213> Trout

<400> 186
 tctggtcctt acttcaccgt agaagtccag agcttcctgt gctttgagga acttgccccg 60
 gtgtaacagg taagcacaga tcatgacacc cgtacgtccc tttccagctt tacagtgaat 120
 cgccgccacg tgattgtcgt cctcacttag ccattggtca 160

<210> 187
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex6F sense

<400> 187
 ggagtaacta ttcccagtcg gag 23

<210> 188
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex6R antisense

<400> 188
 gcaagttccg ccactgaa 18

<210> 189
 <211> 138
 <212> DNA
 <213> Man

<400> 189
 ggagtaacta ttcccagtcg gaggcgctat gtgtattayt atagctacct gktaaagaat 60
 catctggatt atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca 120
 atgttcagtg gcggaact 138

<210> 190
 <211> 131
 <212> DNA
 <213> Chimpanzee

<400> 190

```
ctattcccag tcagaggcgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
gtggcggaac t                                     131
```

<210> 191

<211> 128

<212> DNA

<213> Cattle

<400> 191

```
ttcccagtcg gaggcgctat gtgtattatt atagctacct gttaaagaat catctggatt 60
atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca atgttcagtg 120
gcggaact                                     128
```

<210> 192

<211> 128

<212> DNA

<213> Sheep

<400> 192

```
ttcccagtcg gaggcgctat gtgtattatt atagctacct gttaaagaat catctggatt 60
acagaccagt ggcactgttg tttcacaaga tgatgtttga aactattccc atgttcagtg 120
gcggaact                                     128
```

<210> 193

<211> 126

<212> DNA

<213> Goat

<400> 193

```
tcccagtcag aggcgctatg tgtattatta tagctacctg ttaaagaatc atctggatta 60
cagaccagtg gcaactgttg ttcacaagat gatgtttgaa actattccaa tgttcagtg 120
cggaac                                     126
```

<210> 194

<211> 131

<212> DNA

<213> Red buffalo

<400> 194

```
gtaactattc ccagtcagag gcgctatgtg tattattata gctacctgtt aaagaatcat 60
ctggattata gaccagtggc actgttggtt cacaagatga tgtttgaaac tattccaatg 120
ttcagtggcg g                                     131
```

<210> 195

<211> 127

<212> DNA

<213> Deer

<400> 195

```
ttcccagtcg gaggcgctat gtgtattatt atagctacct gttaaagaat catctggatt 60
atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca atgttcagtg 120
gcggaac                                     127
```

<210> 196

<211> 131

<212> DNA
<213> Roe deer

<400> 196
ctattcccag tcagaggcgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
gtggcggaaac t 131

<210> 197
<211> 126
<212> DNA
<213> Goitred gazelle

<400> 197
cccagtcaga ggcgctatgt gtattattat agctacctgt taaagaatca tctggattat 60
agaccagtgg cactgttggt tcacaagatg atgtttgaaa ctattccaat gttcagtggc 120
ggaact 126

<210> 198
<211> 132
<212> DNA
<213> Horse

<400> 198
actattccca gtcagaggcg ctatgtgtat tattatagct acctgttaaa gaatcatctg 60
gattatagac cagtggcact gttgtttcac aagatgatgt ttgaaactat tccaatgttc 120
agtggcggaa ct 132

<210> 199
<211> 125
<212> DNA
<213> Dog

<400> 199
tcccagtcag aggcgctatg tgtattatta tagctacctg ttaaagaatc atctggatta 60
tagaccagtg gcactgttgt ttcacaagat gatgtttgaa actattccaa tgttcagtgg 120
cggaa 125

<210> 200
<211> 129
<212> DNA
<213> Sun bear

<400> 200
ctattcccag tcagaggcgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
gtggcggaa 129

<210> 201
<211> 128
<212> DNA
<213> Rabbit

<400> 201
ctattcccag tcagagacgc tatgtgtatt attatagcta cctgttaaag aatcatctgg 60
attatagacc agtggcactg ttgtttcaca agatgatgtt tgaaactatt ccaatgttca 120
gtggcggaa 128

<210> 202
 <211> 128
 <212> DNA
 <213> Hare

<400> 202
 tattcccgagt cagagacgct atgtgtatta ttatagctac ctgttaaaga atcatctgga 60
 ttatagacca gtggcactgt tgtttcacia gatgatgttt gaaactattc caatgttcag 120
 tggcgga 128

<210> 203
 <211> 127
 <212> DNA
 <213> Antelope

<400> 203
 attcccgatc agaggcgcta tgtgtattat tatagctacc tgtaaagaa tcatctggat 60
 tatagaccag tggcactgtt gtttcacaag atgatgtttg aaactattcc aatgttcag 120
 ggcggaa 127

<210> 204
 <211> 127
 <212> DNA
 <213> Kangaroo

<400> 204
 tcccagtcag aggcgctatg tgtattacta tagccacctg ttaaagcatc atttgatta 60
 cagaccagtg gccctgctgt ttcacaagat gatgtttgaa acaattccaa tgttcagtg 120
 cggaact 127

<210> 205
 <211> 133
 <212> DNA
 <213> Python

<400> 205
 actattccca gtcagagacg ctatgtatat tattatagct acctgttaaa gaatcatctg 60
 gattacagac cagtagcact gctgtttcat aaaatgatgt ttgaaacaat tccaatgttc 120
 agtggcgga ctt 133

<210> 206
 <211> 132
 <212> DNA
 <213> Varan

<400> 206
 actattccca gtcagaggcg ctatgtatat tattacagct accttttaaa gaatcatctg 60
 gattacagac ccgtggcatt gctcttccat aaaatgatgt ttgaaacaat tccaatgttc 120
 agtggcgga ct 132

<210> 207
 <211> 132
 <212> DNA
 <213> Turkey

<400> 207
 actattccca gtcagagacg ctacgtgtac tactatagct acctgttaaa gaatcacctt 60

gattacagac cagtggcact gctgtttcac aagatgatgt ttgaaacaat tcccatgttc 120
 agtggcgga ct 132

<210> 208
 <211> 124
 <212> DNA
 <213> Chicken

<400> 208
 tcccagtcag agacgctacg tgtactacta tagctacctg ttaaagaatc accttgatta 60
 cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tgttcagtgg 120
 cgga 124

<210> 209
 <211> 127
 <212> DNA
 <213> Duck

<400> 209
 tcccagtcag agacgctacg tgtactatta tagctacctg ttaaagaatc acctggatta 60
 cagaccagtg gcactgctgt ttcacaagat gatgtttgaa acaattccca tgttcagtgg 120
 cggaact 127

<210> 210
 <211> 131
 <212> DNA
 <213> Quail

<400> 210
 ctattcccag tcagagacgc tacgtgtact actatagcta cctgttaaag aatcaccttg 60
 attacagacc agtggcactg ctgtttcaca agatgatgtt tgaacaatt cccatgttca 120
 gtggcggaac t 131

<210> 211
 <211> 130
 <212> DNA
 <213> Goose

<400> 211
 tattcccagt cagagacgct acgtgtacta ttatagctac ctgttaaaga atcacctgga 60
 ttacagacca gtggcactgc tgtttcaca gatgatgtt gaaacaatt ccatgttcag 120
 tggcggaact 130

<210> 212
 <211> 128
 <212> DNA
 <213> Ostrich

<400> 212
 attcccagtc agagacgcta cgtgtattac tatagctacc tgttaaagaa ccacctggat 60
 tacagaccag tggcactgct gtttcacaag atgatgtttg aaacaattcc aatgttcagt 120
 ggcggaac 128

<210> 213
 <211> 126
 <212> DNA
 <213> Pigeon

<400> 213

```

cccagtcaga ggcgctacgt gtattactat agctatctgt taaagaacca cctggattac 60
agaccagtgg cactgctgtt tcacaagatg atgtttgaaa caattcccat gttcagtggc 120
ggaact                                           126

```

<210> 214

<211> 130

<212> DNA

<213> Trout

<220>

<221> misc_feature

<222> (1)...(130)

<223> n = A,T,C or G

<400> 214

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attcccagtc agaggcgcta tgtctattac tatagccacc ttctcaagaa ccagctgaat 60
tacaaaccng tggctctgct cttccacaag atgggtgttcg agacgggtgcc catgttcagt 120
ggcggaactt                                           130

```

<210> 215

<211> 122

<212> DNA

<213> Carp

<400> 215

```

gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg gagtacaaac 60
ctgtggcctt gctctttcac aagatgggtgt ttgagacagt gcccatgttc agtggcgga 120
ct                                           122

```

<210> 216

<211> 130

<212> DNA

<213> Salmon

<400> 216

```

tattccagtc cagaggcggt atgtctacta ctacagccac cttctgaaga accagctgga 60
gtacaaacca gtggctctgc tgttccacaa gatgggtgttc gagacgggtgc ccatgttcag 120
tggcggaact                                           130

```

<210> 217

<211> 132

<212> DNA

<213> Wels

<400> 217

```

actattccca gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg 60
gagtacaaac ctgtggcctt gctctttcac aagatgggtgt ttgagacagt gcccatgttc 120
agtggcgga ct                                           132

```

<210> 218

<211> 129

<212> DNA

<213> Tench

<400> 218

```

attcccagtc agaggcgata tgtgtactac tatagctacc ttctgaagaa taagctggag 60

```

tacaaacctg tggccttgct ctttcacaag atggtggttg agacagtgcc tatgttcagt 120
ggcggaact 129

<210> 219
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> PTENex7F sense

<400> 219
cctcagtttg tggctctgcca 20

<210> 220
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> PTENex7R antisense

<400> 220
ccttttttag catcttgttc tgttt 25

<210> 221
<211> 168
<212> DNA
<213> Man

<220>
<221> misc_feature
<222> (1)...(168)
<223> n = A,T,C or G

<400> 221
atcctcagtt tgtggtctgc cagctaaagg tgaagatata ttctccaat tcaggaccca 60
cacgacggga agacaagttc atgtaytttg agttccctca gccgttacct gtntgtggtg 120
atatcaaagt agagttcttc cacaacaga acaagatgct aaaaaagg 168

<210> 222
<211> 159
<212> DNA
<213> Chimpanzee

<400> 222
agtttggtgt ctgccagcta aaggtgaaga tatattcctc caattcagga cccacacgac 60
gggaagacaa gttcatgtac tttagattcc ctcagccgtt acctgtgtgt ggtgatata 120
aagtagagtt cttccacaaa cagaacaaga tgctaaaaa 159

<210> 223
<211> 161
<212> DNA
<213> Cattle

<400> 223
cagtttggtg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60

012627-025.ST25

cggaagaca agttcatgta ctttgagttc cctcagccat tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa a 161

<210> 224
 <211> 160
 <212> DNA
 <213> Sheep

<400> 224
 gtttgtggtc tgcagctaa aggtgaagat atattcctcc aattcaggac ccacacgacg 60
 ggaagacaag ttcatgtact ttgagttccc tcagccgctg cctgtgtgtg gtgacatcaa 120
 agtagagttc ttccacaaac agaacaagat gctaaaaaag 160

<210> 225
 <211> 161
 <212> DNA
 <213> Goat

<400> 225
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa a 161

<210> 226
 <211> 153
 <212> DNA
 <213> Red buffalo

<400> 226
 agtttgtggt ctgccagcta aaggtgaaga tatattcctc caattcagga cccacacgac 60
 gggaagacaa gttcatgtac ttgagttccc ctcagccgtt gcctgtgtgt ggtgacatca 120
 aagtagagtt cttccacaa cagaacaaga tgc 153

<210> 227
 <211> 159
 <212> DNA
 <213> Deer

<400> 227
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttcacaa acagaacaag atgctaaaa 159

<210> 228
 <211> 162
 <212> DNA
 <213> Roe deer

<400> 228
 cagtttgtgg tgtgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttcacaa acagaacaag atgctaaaaa ag 162

<210> 229
 <211> 161
 <212> DNA
 <213> Goitred gazelle

<400> 229
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cgggaagata agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

<210> 230
 <211> 162
 <212> DNA
 <213> Horse

<400> 230
 tcagtttgtg gtctgccagc taaaggtgaa gatattattcc tccaattcag gaccacacag 60
 acgggaagac aagttcatgt actttgagtt ccctcagccg ttgcctgtgt gtggtgacat 120
 caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

<210> 231
 <211> 162
 <212> DNA
 <213> Dog

<400> 231
 tcagtttgtg gtctgccagc taaaggtgaa gatctattcc tccaattcag gaccacacag 60
 acgggaagac aagttcatgt actttgagtt ccctcagcca ttgcctgtgt gcggtgacat 120
 caaagtagag ttcttccaca aacagaacaa gatgctaaaa aa 162

<210> 232
 <211> 161
 <212> DNA
 <213> Sun bear

<400> 232
 cagtttgtgg tctgccagct aaaggtgaag atctattcct ccaattcagg acccacacga 60
 cgggaagaca agttcatgta cttcgagttc cctcagccgt tacctgtgtg tggtagacatc 120
 aaagtagagt tcttccacaa acagaacaag atgctaaaaa a 161

<210> 233
 <211> 162
 <212> DNA
 <213> Rabbit

<400> 233
 cagtttgtgg tctgccagct aaaggtgaag atatattcct ccaattcagg acccacacga 60
 cgggaagaca agttcatgta cttcgagttc cctcagccgt tgcctgtgtg tggtagacatc 120
 aaagtagagt tcttccacaa acagaacaag atgctaaaaa ag 162

<210> 234
 <211> 156
 <212> DNA
 <213> Hare

<400> 234
 ctacagtttgt ggtctgccag ctaaaggtga agatatattc ctccaattca ggaccacac 60
 gacgggaaga caagttcatg tacttcgagt tccctcagcc gttgcctgtg tgtggtgaca 120
 tcaaagtaga gttcttccac aaacagaaca agatgc 156

<210> 235
 <211> 160

<212> DNA
<213> Antelope

<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A,T,C or G

<400> 235
tcagtttgtg gtctgccagc taaaggtgaa gatatatcc tccaannnag gacccacacg 60
acgggaagac aagttcatgt actttgagtt cctcagccg ttgcctgtgt gtggtgatat 120
caaagtagag ttcttccaca aacagaacaa gatgctaaaa 160

<210> 236
<211> 163
<212> DNA
<213> Kangaroo

<400> 236
ctcagtttgt ggtctgccag ctgaaggtga agatctacac atccccgtca gggcccacgc 60
ggcgggaaga caagcacatg tacttcogagt tccccagcc tctgccggtg tgtggcgaca 120
ttaaagtgga attcttccac aaacagaaca agatgctaaa aaa 163

<210> 237
<211> 145
<212> DNA
<213> Turkey

<220>
<221> misc_feature
<222> (1)...(145)
<223> n = A,T,C or G

<400> 237
cagtttgtgg tctgccagct aaaagtaaag atattcacct ccccttnnng accctcaaga 60
cgtgaagaca aatatatgta cttingaattc cctcaacctt tgccggnata cggtgatatc 120
aaagnggagt tcttccacaa acagaa 145

<210> 238
<211> 146
<212> DNA
<213> Chicken

<400> 238
cagtttgtgg tctgccagct aaaggtaaaag atattcacct ccccttcagg accctcaaga 60
cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120
aaagtggagt tcttccacaa acagaa 146

<210> 239
<211> 154
<212> DNA
<213> Duck

<400> 239
cagtttgtgg tctgccagct aaaggtaaaag atattcacct ccccttcagg accctcaaga 60
cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120
aaagtgggtg ttttccacaa acagaacaag atgc 154

<210> 240
 <211> 163
 <212> DNA
 <213> Quail

<400> 240
 tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gaccctcaag 60
 acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120
 caaagtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 241
 <211> 160
 <212> DNA
 <213> Ostrich

<400> 241
 gtttgtggtc tgccagctaa aggtaaagat attcacctcc ccttcaggac cctcaagacg 60
 tgaagacaag tatatgtact ttgaattccc tcaacccttg ccggtatgcg gtgatataaa 120
 agtggaattc ttccacaaac agaacaagat gctaaaaaag 160

<210> 242
 <211> 145
 <212> DNA
 <213> Pigeon

<400> 242
 tcagtttgtg gtctgccagc taaaggtaaa gatattcacc tccccttcag gaccctcaag 60
 acgtgaagac aagtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120
 caaagtggaa ttttccaca aacag 145

<210> 243
 <211> 163
 <212> DNA
 <213> Carp

<220>
 <221> misc_feature
 <222> (1)...(163)
 <223> n = A,T,C or G

<400> 243
 tcagtttgtg gtctgccaac tgaagggtgaa aatccacacc tcaaaccagc ygcacacaag 60
 gcgagaggag aagtacatgt acttngattt tccncagcnn ctgcctgtgt gnggagacat 120
 caagggtggag ttcttccaca aacagaacaa gatgctaaaa aag 163

<210> 244
 <211> 160
 <212> DNA
 <213> Wels

<220>
 <221> misc_feature
 <222> (1)...(160)
 <223> n = A,T,C or G

<400> 244
 agtttgtggt ctgccaactg aagggtgaaa tccacacatc aaaccagng cacacaaggc 60

gagaggagaa gtacatgtac ttngattttc cncagcnnct gcctgtgtgn ggagacatca 120
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaaa 160

<210> 245
 <211> 159
 <212> DNA
 <213> Tench

<400> 245
 agtttgtggt ctgccagctg aaggtgaaaa tccacacctc caaccagcg cacacaaggc 60
 gagaggagaa atacatgtac ttcgagtttc cacagccatt gcctgtgtgt ggagacatca 120
 aggtggagtt cttccacaaa cagaacaaga tgctaaaaa 159

<210> 246
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex8F sense

<400> 246
 caaaatgttt cacttttggg taaa 24

<210> 247
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PTENex8R antisense

<400> 247
 taaaatttgg agaaaagtat cggtt 25

<210> 248
 <211> 226
 <212> DNA
 <213> Man

<400> 248
 gacaaaaatg tttcactttt gggtaaatac attcttcata ccaggaccag aggaaacctc 60
 agaaaaagta gaaaatggaa gtctatgtga tcaagaaaty gatagcattt gcagtataga 120
 gcgtgcagat aatgacaagg artatctagt acttacttta acaaaaaatg atcttgacaa 180
 agcaataaaa gacaaagcca accgatactt ttctccaaat tttaag 226

<210> 249
 <211> 213
 <212> DNA
 <213> Chimpanzee

<400> 249
 atgtttcact tttgggtaaa tacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa atcgatagca tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtacttact ttaacaaaaa atgatcttga caaagcaaat 180
 aaagacaaaag ccaaccgata cttttctcca aat 213

<210> 250
 <211> 212
 <212> DNA
 <213> Cattle

<400> 250
 tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60
 tagaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120
 ataatgacaa ggaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180
 aagacaaggc caaccgatac ttttctccaa at 212

<210> 251
 <211> 211
 <212> DNA
 <213> Sheep

<400> 251
 gtttcacttt tgggtaaaca cattcttcat accaggacca gaggaaacct cagaaaaagt 60
 agaaaatgga agtctatgtg atcaagaaat tgatagtatt tgcagtatag agcgtgcaga 120
 taatgacaag gaatatctag tgctcacttt aacaaaaaat gatctcgaca aagcaaataa 180
 agacaaggcc aaccgatact ttttctccaa t 211

<210> 252
 <211> 213
 <212> DNA
 <213> Goat

<400> 252
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatcttga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 253
 <211> 212
 <212> DNA
 <213> Red buffalo

<400> 253
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatcttga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aa 212

<210> 254
 <211> 213
 <212> DNA
 <213> Deer

<400> 254
 tgtttcactt ttgggtaaac acattcttca taccaggacc agaggaaacc tcagaaaaag 60
 tagaaaatgg aagtctatgt gatcaagaaa ttgatagtat ttgcagtata gagcgtgcag 120
 ataatgacaa agaatatcta gtactcactt taacaaaaaa tgatctcgac aaagcaaata 180
 aagacaaggc caaccgatac ttttctccaa att 213

<210> 255
 <211> 214

<212> DNA
 <213> Roe deer

<400> 255
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aatt 214

<210> 256
 <211> 213
 <212> DNA
 <213> Goitred gazelle

<400> 256
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 257
 <211> 213
 <212> DNA
 <213> Horse

<400> 257
 atgtttcact tttgggtaaa tacattcttt ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aagaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 258
 <211> 210
 <212> DNA
 <213> Dog

<400> 258
 tttcactttt gggtaaacac attcttctata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctatgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120
 aatgacaagg aatatctagt actcacttta acaaaaaatg atctcgacaa agcaaataaa 180
 gacaaggcca accgatactt ttctccaaat 210

<210> 259
 <211> 213
 <212> DNA
 <213> Sun bear

<400> 259
 atgtttcact tttgggtaaa cacattcttc ataccaggac cagaggaaac ctcagaaaaa 60
 gtagaaaatg gaagtctatg tgatcaagaa attgatagta tttgcagtat agagcgtgca 120
 gataatgaca aggaatatct agtactcact ttaacaaaaa atgatctcga caaagcaaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 260
 <211> 210
 <212> DNA
 <213> Rabbit

<400> 260
 ttctactttt gggtaaatac gttctttata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctttgtga tcaagaaatt gatagtattt gcagtataga acgtgcagat 120
 aacgacaaag aatatctagt acttacttta acaaaaaatg atcttgataa agcaaataaa 180
 gacaaggcaa accgatactt ttctccaaat 210

<210> 261
 <211> 210
 <212> DNA
 <213> Hare

<400> 261
 gtttactttt tgggtaaata cgttctttat accaggacca gaggaaacct cagaaaaagt 60
 agaaaatgga agtctttgtg atcaagaaat tgatagtatt tgcagtatag aacgtgcaga 120
 taacgacaaa gaatatctag tacttacttt acaaaaaaat gatcttgata aagcaaataa 180
 agacaaggca aaccgatact ttctccaaa 210

<210> 262
 <211> 203
 <212> DNA
 <213> Antelope

<400> 262
 acttttgggt aaatacattc ttcataccag gaccagagga aacctcagaa aaagtagaaa 60
 atggaagtct atgtgatcaa gaaattgata gtatttgcag tatagagcgt gcagataatg 120
 acaaggaata tctagtactc actttaacaa aaaatgatct tgacaaagca aataaagaca 180
 aggccaaccg atacttttct cca 203

<210> 263
 <211> 213
 <212> DNA
 <213> Kangaroo

<400> 263
 ttctactttt gggtaaatac attcttcata ccaggaccag aggaaaattc agacaaagta 60
 gaaaatggaa gtctttgtgg tgatcaagag attgatagta ttgagcgtgc cgagcgatca 120
 gataatgaca aggaatatct catactcaca ttatccaaaa atgatcttga caaagcgaat 180
 aaagacaagg ccaaccgata cttttctcca aat 213

<210> 264
 <211> 210
 <212> DNA
 <213> Python

<400> 264
 ttctactttt gggtaaatac attcttcata ccaggaccag aggaaacctc agaaaaagta 60
 gaaaatggaa gtctatgtga tcaagaaatc gatagcattt gcagtataga gcgtgcagat 120
 aatgacaagg aatatctagt acttacttta acaaaaaatg atcttgacaa agcaaataaa 180
 gacaaagcca accgatactt ttctccaaat 210

<210> 265
 <211> 208
 <212> DNA
 <213> Turkey

<400> 265
 tcacttttgg gtaaatacat tcttcatagg actggatgaa aattcagaca aagtagaaaa 60

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tgggaagtcta gttgcagatc aggaacttga tggatattttc agtacagagc gctcagataa 120
tgacaaggaa tattttaatcc ttacattaac aaaaaatgat ctagacaaag caaataaaga 180
caaagccaac cgatactttt ctccaaat 208

```

```

<210> 266
<211> 213
<212> DNA
<213> Chicken

```

```

<400> 266
tttcactttt gggtaaatac attcttcata ggactggatg aaaattcaga caaagtagaa 60
aatggaagtc tagttgcaga tcaggaactt gatggatatt tcagtacaga gcgctcagat 120
aatgacaagg aatatttaac cttacatta acaaaaaatg atctagacaa agcaaataaa 180
gacaaagcca accgatactt ttctccaaat tta 213

```

```

<210> 267
<211> 210
<212> DNA
<213> Quail

```

```

<400> 267
ttcacttttg ggtaaataca ttcttcata gactggatga aaattcagac aaagtagaaa 60
atggaagtct agttgcagat caggaacttg atggatattt cagtacagag cgctcagata 120
atgacaagga atatttaatc cttacattaa caaaaaacga tctagacaaa gcaaataaag 180
acaaagccaa ccgatacttt tctccaaatt 210

```

```

<210> 268
<211> 213
<212> DNA
<213> Goose

```

```

<400> 268
atgtttcact tttgggtaaa tacattcttc ataggactgg atgaaaattc agacaaagta 60
gaaaatggaa gtctagttgc agatcaggaa cttgatggta ttttcagtac agagcgctca 120
gataatgata aggaatatatt aatccttaca ttaacaaaaa atgatctaga caaagcaaat 180
aaagacaaag ccaaccgata cttttctcca aat 213

```

```

<210> 269
<211> 235
<212> DNA
<213> Trout

```

```

<220>
<221> misc_feature
<222> (1)...(235)
<223> n = A,T,C or G

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<400> 269
gtttcacttt tgggtaaatn nnttctttgt ccctggacca gaggagaact ttgagaaggt 60
tgagaacggg acgttaccaa cggagacgtt accaacggcg acgttaccaa aggagcaggc 120
aggaaaccaa acggggaggaa cgggggacaa cgacaaggat tacctgatcc tctcactgac 180
aaagaacgac ctggacaagg ccaacaagga taaabcaaac cgatactttt ctcca 235

```

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<210> 270
<211> 23
<212> DNA
<213> Artificial Sequence

```

<220>

<223> PTENex9F sense

<400> 270

gtgaagctgt acttcacaaa aac

23

<210> 271

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> PTENex9tga antisense

<400> 271

aaaaaaattc agacttttgt aatttg

26

<210> 272

<211> 194

<212> DNA

<213> Man

<400> 272

gtgaagctgt acttcacaaa aacagtagag gagccgtcaa atccagaggc tagcagttca 60
 acttctgtaa caccagatgt tagtgacaat gaacctgatc attatagata ttctgacacc 120
 actgactctg atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa 180
 gtctgaattt tttt 194

<210> 273

<211> 180

<212> DNA

<213> Chimpanzee

<400> 273

gtacttcaca aaaacagtag aggagccgtc aaatccagag gctagcagtt caacttctgt 60
 aacaccagat gttagtgaac atgaacctga tcattataga tattctgaca ccactgactc 120
 tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa agtcttgaat 180

<210> 274

<211> 176

<212> DNA

<213> Cattle

<400> 274

cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cttctgtaac 60
 accagatggt agtgacaatg aacctgatca ttatagatat tctgacacca ctgactctga 120
 tccagagaat gaaccttttg atgaagatca gcatacaca attacaaaag tctgaa 176

<210> 275

<211> 172

<212> DNA

<213> Sheep

<400> 275

cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60
 accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120

cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tc 172

<210> 276
 <211> 178
 <212> DNA
 <213> Goat

<400> 276
 tacttcacaa aaacagtaga ggagtcacatca aatccagagg ctagcagttc aacgtctgtg 60
 acaccagatg tcagtgcacaa tgaacctgat cattacagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaa 178

<210> 277
 <211> 179
 <212> DNA
 <213> Red buffalo

<400> 277
 tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc cacttctgtg 60
 acaccgatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 278
 <211> 179
 <212> DNA
 <213> Deer

<400> 278
 tacttcacaa aaacagtaga ggagtcacatca aatccagagg ctagcagttc aacttctgtg 60
 acaccagatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179

<210> 279
 <211> 173
 <212> DNA
 <213> Roe deer

<400> 279
 acttcacaaa aacagtagag gagtcacatca atccagaggc tagcagttca acttctgtaa 60
 caccagatgt tagtgacaat gaacctgatc attatagata ttctgacacc actgactctg 120
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtc 173

<210> 280
 <211> 177
 <212> DNA
 <213> Goitred gazelle

<400> 280
 cttcacaaaa acagtagagg agtcatcaaa tccagaggct agcagttcaa cgtctgtaac 60
 accagatgtc agtgacaatg aacctgatca ttacagatat tctgacacca ctgactctga 120
 cccagagaat gaaccttttg atgaagatca gcatacacia attacaaaag tctgaat 177

<210> 281
 <211> 180
 <212> DNA
 <213> Horse

<400> 281

gtacttcaca aaaacagtag aggagccatc aaatccagag gctagcagtt caacttctgt 60
 aacaccagat gttagtgaca atgaacctga tcattataga tattctgaca ccaactgactc 120
 tgatccagag aatgaacctt ttgatgaaga tcagcatata caaattacaa aagtctgaat 180

<210> 282

<211> 180

<212> DNA

<213> Dog

<400> 282

gtacttcaca aaaactgtag aggagccatc aaaccoggag gctagcagtt caacttctgt 60
 gacgccagat gttagtgaca atgaacctga tcattataga tattctgaca ccaactgactc 120
 tgacccagag aatgaacctt ttgatgaaga tcagcacaca caaattacaa aagtctgaat 180

<210> 283

<211> 177

<212> DNA

<213> Sun bear

<400> 283

cttcacaaaa acagtagagg agccatcaaa tcccgaggct agcagttcaa cttctgtaac 60
 accagacggt agtgacaatg aacctgacca ttatcgatat tctgacacca ctgactctga 120
 tccagagaat gaaccttttg atgaagatca gcatacaaa attacaaaag tctgaat 177

<210> 284

<211> 177

<212> DNA

<213> Rabbit

<400> 284

tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc aacttctgta 60
 acgccagatg ttagtgacaa tgaacctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatatac aaattacaaa agtctga 177

<210> 285

<211> 179

<212> DNA

<213> Hare

<220>

<221> misc_feature

<222> (1)...(179)

<223> n = A,T,C or G

<400> 285

tacttcacaa aaacagtaga ggagccatca aatccagagg ctagcagttc aacttctgta 60
 acgccagatg ttagtgacaa tgancctgat cattatagat attctgacac cactgactct 120
 gatccagaga atgaaccttt tgatgaagat cagcatatac aaattacaaa agtctgaat 179

<210> 286

<211> 175

<212> DNA

<213> Antelope

<400> 286

acttcacaaa aacagtagag gagccatcaa atccagaggc tagcagttca acttctgtaa 60
 caccagatgt tagtgacaat gaacctgatc attatagata ytctgacacc actgactctg 120
 atccagagaa tgaacctttt gatgaagatc agcatacaca aattacaaaa gtctg 175

<210> 287

<211> 174

<212> DNA

<213> Varan

<400> 287

ttcacaaaaa ccgtagaaga accatcaaac ccagaggcta gcaggtcaac ttcagtaacg 60
 ccagatgtta gtgataatga acctgatcat tataggtatt ctgataccac tgactctgat 120
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctga 174

<210> 288

<211> 175

<212> DNA

<213> Turkey

<400> 288

ttcacaaaaa cagtagagga gccatcaaat ccagaggcta gcaggtcaac ttctgtaaca 60
 ccagatgtta gtgacaatga acctgatcat tatagatatt ctgacaccac tgactctgat 120
 ccagagaatg aaccttttga tgaagatcag catacacaaa ttacaaaagt ctgaa 175

<210> 289

<211> 182

<212> DNA

<213> Chicken

<400> 289

ctgtacttca caaaaacagt agaagagcca tcaaatcccg aggctagcag ttcaacttct 60
 gtaacaccag atgttagtga caatgaacct gatcattaca gatactctga caccactgac 120
 tctgatccag agaatgaacc ttttgatgaa gatcagcata cacaaattac aaaagtctga 180
 at 182

<210> 290

<211> 177

<212> DNA

<213> Duck

<400> 290

cttcacaaaa acagtagaag agccatctaa tccagaggct agcagttcaa cttctgtaac 60
 gccagatgtt agtgacaatg aacctgatca ttatagatac tctgacacca ctgactctga 120
 tccagagaat gaaccttttg atgaagatca gcatacgcaa attacaaaag tctgaat 177